1628/3576

SORENSEN

TANKLESS APPARATUS

FOR THE

NOSE AND THROAT SPECIALIST

AND THE

HOSPITAL

C. M. Sorensen Co., Inc.
Long Island City
New York

128/276

1926 Catalog

of

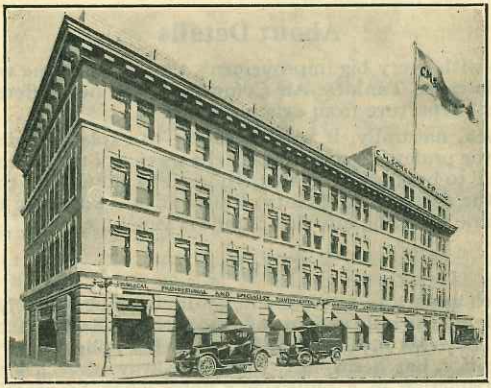
Sorensen Apparatus

for the

Nose and Throat Specialist

and the

Hospital



The Home of Sorensen Equipment
(Our own Building)

C. M. Sorensen Co., Inc.

444 Jackson Avenue

Long Island City, New York

(Queensboro Plaza, 15 Minutes from Times Square)

Cable Address: Tankless, New York

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The Fundamentals of Sorensen Service

Every profession has its continual accretion of younger men. Also, no matter how well any organization or product may be known to the profession at large, there are always some to whom these are less well known.

And yet, these classes ought also be acquainted with the fundamentals of Sorensen service—hence these introductory remarks.

A Bit of History

As is often the case, our organization is the lengthened shadow of one man. That man is C. M. Sorensen, who for the first time (in 1910) placed at the disposal of the profession a silent, economical, dependable apparatus which, without cumbersome and fouling storage tank, provided air pressure and suction, both under perfect control.

Around that man and around that product our organization has grown and grown until we now have our own building, where we are continuing the policies which form the foundation of Sorensen service.

About Details

As with every big improvement, there was a time when the Sorensen Tankless Air Compressor was new, offered a radical departure from existing methods.

Then, naturally, it was necessary to explain in detail why the profession could expect the service of the Sorensen system to be superior to that rendered by the storage tank. But the remarks on quality, which follow, will show that the time for going into fine details is long past.

Quality

Such apparatus as we manufacture can not properly be "made by the mile and cut up into inches." Each machine must be *right first.* And it is upon this policy that our reputation has been built. You will always detect a tone of satisfaction in a physician's voice when he mentions his apparatus as being "Sorensen."

This is no wonder; for the very first Sorensen machines are still in daily use—a silent testimony to their worth.

"Silent" in more ways than one. These compressors are very quiet-running, because every one is built like a precision machine and, with reasonable care, should last a lifetime.

All of which is substantiated by the many thousands of Sorensen compressors serving in work the success of which is so important that no physician could afford to accept inferior apparatus, even were it offered him free of all cost.

And of course the finish of every part, be it metal or wood, is thoroughly in keeping with the environment in which the apparatus is used. Indeed, every Sorensen compressor is a truly beautiful piece of mechanism.

About Our Dealers

This policy of quality rather than quantity has from the very beginning been applied also to the dealers who retail our apparatus; and to this day it can be purchased only direct from us and from dealers we have selected with the greatest care—

—men who know their business, who want to sell only that which is worth buying, who want you to come again and again. In short, men whose ideals are like our own.

Professional men have shown their appreciation of a sales policy which recognizes only dealers who render real service, insures getting the genuine, and protects the reputation of the manufacturer who has put his heart into producing something of unusual excellence.

Guarantee

A one-year guarantee, covering any defect in material or workmanship, accompanies each machine. It is extremely rare that this guarantee needs to be made use of; but when occasion does arise, we interpret it liberally: according to the Fundamentals of Sorensen Service.

C. M. Sorensen Co., Inc.

This Information Is Necessary to All

By using highest grade, thin paper, we have succeeded in producing a 48-page catalog which is complete in every particular and yet light, thin, fitting the pocket—convenient in every way.

But what also contributes toward this convenience is the concentration, below, of certain information which otherwise would have had to be repeated many times, and which you can now read here "once for all."

ELECTRIC SWITCH. Is incorporated in every machine. It is never necessary to control the pump at the socket or receptacle to which it is connected.

SNAP-FIT BOTTLE HOLDER. The working of this new Bottle holder (patent pending) is here illustrated. The bottle is picked up and removed almost as if it had just been standing on a table.

And when put back, in the same simple manner, it is tight and connected. There are no screws or clamps to operate.

Furthermore, a very simple form of bottle is used: inexpensive to replace in case of breakage.

AIR PURIFIERS. The air-filtering material in these is efficient, very cheap, and easily replaced.

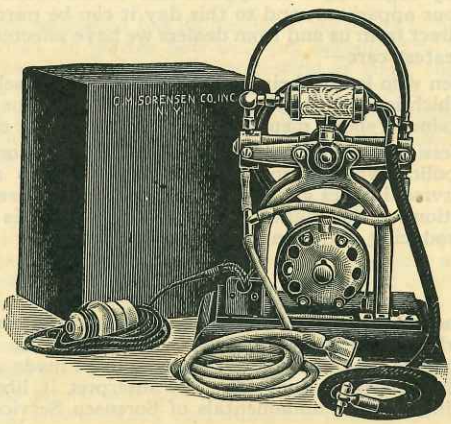
TUBE FITTINGS. All are standard male-and-female taper. Connections instantly made. Interchangeable.

CASTERS. Large, easy rolling, ball-bearing, rubber-tired hospital type.

EQUIPMENT. Always includes cord with attachment plug, extra belt, oilcan and wrench. Pressure tubes are silk covered; all tubes are five feet long.

(You will find complete instructions for ordering, information on the motors, etc., on page 45.)

Dr. Frank E. Miller Midget Outfit No. 55



On this, and on the three pages following, are described the four Sorensen Tankless Air Compressors intended for portable as well as for office use.

Midget, No. 55, is the smallest and simplest of the series. It was originated by Dr. Frank E. Miller, and designed more particularly for the general practitioner; but it has proved so thoroughly practical that thousands of nose and throat specialists have adopted it.

Besides, a number of them have been purchased for home use, upon the recommendation of physicians, to make possible the frequent application of simple treatments, for which the patient can not very well go to his doctor's office.

The pump is of the two-cylinder eccentric type, with air purifier, driven by a 1/20 horsepower universal motor, and will maintain from 10 to 15 pounds of constant pressure.

Both pressure and suction are under perfect control, and may be used simultaneously as well as independently.

It therefore serves for spraying, nebulizing, etherizing, vacuum massage, sinus work, Biers hyperemia, and aspirating blood and mucous from the operative field. In short, for all work requiring pressure or suction.

Equipment includes silk-covered pressure tube with cut-off, suction tube with suction cup and suction release, and mahogany cover.

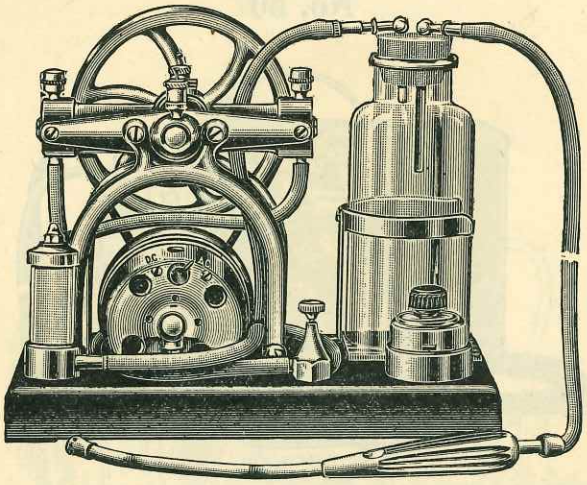
This cover goes over the entire outfit, cord, tubes and all, and fits closely on the mahogany base. The handle is part of the machine and protrudes through a slit in the cover, so there can never be any accident through the cover being loose. Size overall 7½ x 9¼ x 12". Net weight 12 lbs. Shipping weight 25 lbs.

No. 55.....$65.00

On page 10 you will find the same pump on a specially designed floor stand. Indeed, practically all Sorensen air compressors are furnished in two or more forms, in order to meet all possible requirements.

It is proper also, on the first page describing apparatus, to refer you to pages 4, 5 and 45, where quality and finish are described, certain items of equipment enumerated, and information on the voltage of motors given, once for all, to avoid repetition.

Dr. H. H. Forbes Aspirating Outfit No. 135



A modification by Dr. H. H. Forbes of Dr. Frank E. Miller's Midget, on opposite page; the main difference being the incorporation of a 16-oz. suction bottle and that the apparatus is for suction only.

Few nose and throat specialists witness it at work without immediately securing its services for removing blood and mucous from the throat in all operations on the nose and pharynx as the work proceeds, and for the removal of secretions during emergency anesthesia.

The control of the blood in the pharynx, where hemorrhage occurs during operating, gives the doctor every opportunity to see and control each bleeding point. Vomiting under anesthesia is robbed of its danger by the use of suction.

With this method there is no necessity for haste in operating, or to work blindly. And the use of suction is now so universal in the treatment of the diseased accessory sinus that it seems hardly necessary to mention it, except to emphasize the fact that Sorensen pumps provide a positive and dependable source of suction—or negative pressure, as some call it.

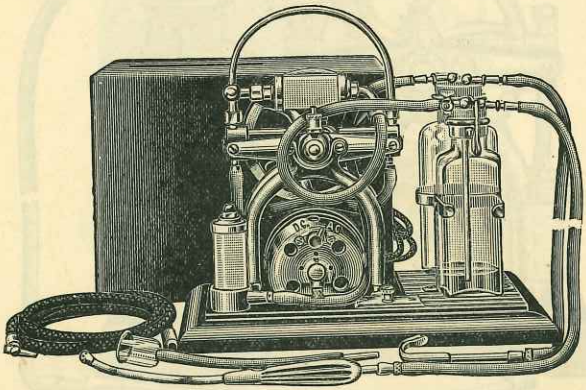
The pump is of the two-cylinder eccentric type, has an air purifier, and is driven by a 1/20 horsepower universal motor.

Equipment includes suction tube with suction cup and suction release, and mahogany carrying-case. Size overall 11 x 11½ x 6½". Net weight 14 lbs. Shipping weight 25 lbs.

No. 135.....$55.00

Ditto with Vacuum Gauge No. 902 (Page 41)..... 63.00

Dr. S. Yankauer Outfit for Pressure and Suction No. 60



This is another development of Dr. Frank E. Miller's Midget, page 6. Perhaps we can give no better idea of its great utility than by pointing out that of this outfit alone over ten thousand are in use.

The reason is easy to find. Although still small and light, it is complete and efficient for all the uses of pressure and suction enumerated on the two preceding pages.

Weighing only sixteen pounds, it serves excellently as a portable apparatus, while it may be used in the office as well, on a table or on the special stand illustrated on page 40.

That stand is of metal, base and column finished in baked white enamel, the top an aluminum casting with a ridge at its edge to hold the mahogany base of No. 60. It weighs only ten pounds, so the outfit, stand and all, is easily picked up and moved with one hand.

The appearance of the outfit also makes it a worthy assistant to the professional man, as well as that inherent high quality brings dependability, as proven by the many thousands in use, already mentioned.

The two-cylinder eccentric pump is driven by a 1-20 horsepower universal motor. It has two air purifiers: one each for pressure and suction.

Both pressure and suction are under perfect control and may be used simultaneously as well as independently. Thus ether vapor may be administered through one of the bottles by face mask, mouth gag or ether hook, while blood and secretions are drawn through the suction tube into the other bottle.

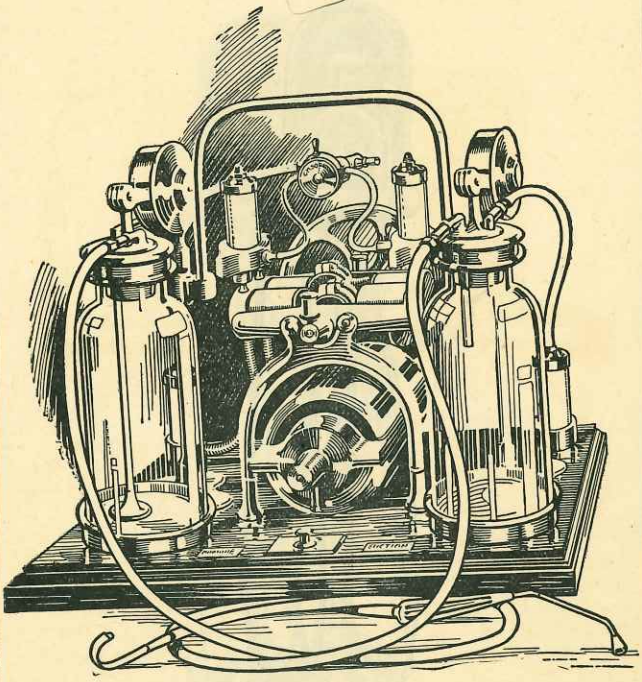
The ether bottle is 8-oz. and square; the suction bottle 16-oz. and round. So they can not be transposed.

Equipment, as shown in the illustration, includes mahogany cover, pressure and suction tubes, ether hook, Yankauer suction tube, and silk-covered pressure tube with cut-off. Size 7 x 13 x 12". Net weight 16 lbs. Shipping weight 25 lbs.

No. 60 ..... $75.00

Ditto with Stand No. 61 (Page 40) 87.00

Portable Tankless Air Compressor with Separate Pressure and Suction No. 460



The outstanding feature of this apparatus is that it is really two outfits in one: one for pressure, the other for suction.

There are four cylinders: two only for pressure, and two for suction alone, without air-intercommunication between them, without possibility of contamination of the pressure cylinders by anything which may have been drawn away from any patient by the suction pump.

The motor is 1/8 horsepower, inclosed type, and although the most powerful ever used on such an outfit, it is universal.

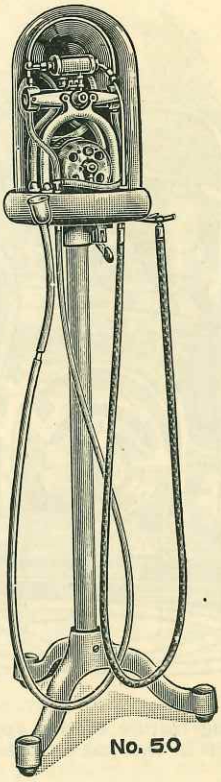
Pressure control is of a new, improved type. It diverts the air instead of holding it back against the pump. There are four air purifiers: one at the inlet and outlet of both pressure and suction. The bottles are 32-oz., held in the Snap-fit Bottle Holder described on page 5.

Notwithstanding this liberality of design, and completeness for *every* use of pressure or suction, the outfit is suitable for portable as well as for office use.

Equipment includes everything shown in the illustration, two extra bottles, and the mahogany cover on page 31. Size. 9½ x 12 x 16." Net weight 34 lbs. Shipping weight 58 lbs.

No. 460 ..... $150.00

Small Floor Type Tankless Pressure and Suction Outfit No. 50



No. 50

This is Dr. Frank E. Miller's Midget mounted on a special floor stand, for office use. We therefore refer you to page 6 for a complete description of the heart of the outfit—the Sorensen Air Compressor.

Column and base are of metal, finished in baked white enamel, and with rubber-cushioned feet. A heavy glass dome covers the pump and fits inside a ridge around the white-enameled wood base. The dome protects the mechanism from dust and also brings out still better the beautiful finish of the working parts.

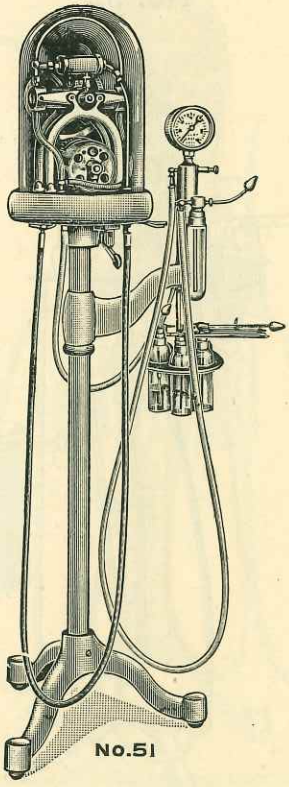
It is a small, light outfit, which may be picked up with one hand and placed wherever most convenient.*

Equipment includes pressure tube with cut-off, and suction tube with suction release and suction cup. Dimensions are: Height overall 45", pump base 8½" diameter, glass dome 7½" diameter and 11" high. Net weight 25 lbs. Shipping weight 40 lbs.

No. 50.....$75.00

*This also applies, despite the additions, to the three variations described on the following pages.

Floor Type Tankless Suction, Pressure, and Combination Outfit No. 51



A further development of the outfit described on opposite page.

On the column is mounted, resting on ball bearings, a swinging bracket finished in baked white enamel, like the column and base.

This swinging bracket supports a sinus cleanser, complete with vacuum gauge, and a six-bottle spray set.

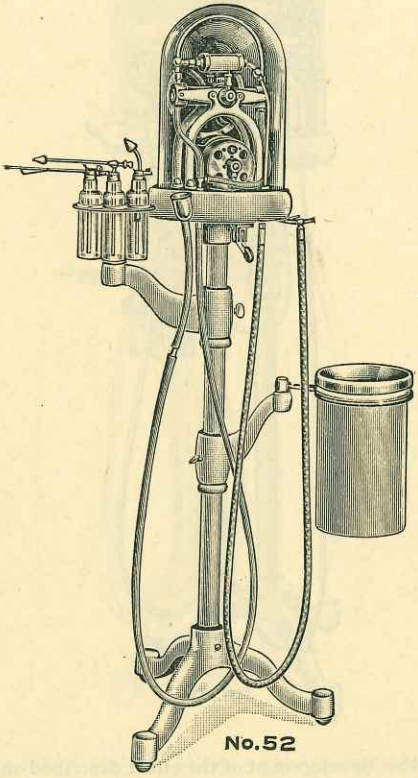
There is no need of explaining to you the extent to which the addition of these appliances enhances the utility of the outfit.

Equipment, with the exception of the additions mentioned, is the same as in No. 50, on opposite page, as are the general dimensions. Net weight 35 lbs. Shipping weight 50 lbs.

No. 51.....$106.00

Tankless Pressure, Suction and Combination Outfit, with Waste Receptacle

No. 52



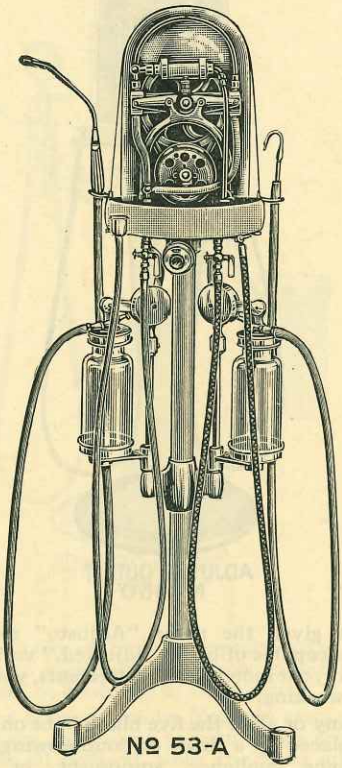
A further variation of the outfits shown on the two preceding pages.

Two of the swinging brackets are mounted on the column. One of these carries the six-hole spray set; the other a waste receptacle.

Aside from these additions, which speak for themselves, it is No. 50, page 10, where you will find the general dimensions, as well as equipment. Net weight 35 lbs. Shipping weight 50 lbs.

No. 52 ..... $110.00

Tankless Pressure, Suction and Anesthetizing Outfit No. 53A



№ 53-A

This new outfit is an improvement over, and supersedes, the No. 53 which appeared in previous literature and which has been discontinued.

You see that it is No. 50, page 10, with a special double bracket on its column, supporting 16-oz. ether and suction bottles in Snap-fit holders (described on page 5), thus making it the most efficient small floor-type machine yet offered: completely self-contained, and recommended for anesthetizing as well as for all other uses of pressure, and suction.

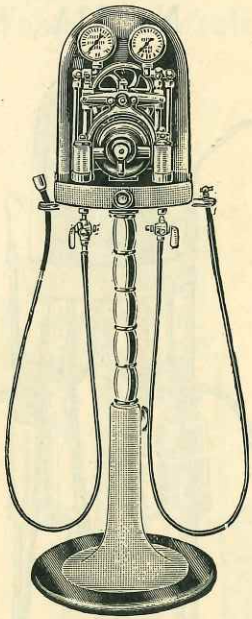
Equipment is as shown in the illustration, and includes the bottles, all necessary tubing, ether hook and suction tube, as well as controlling stopcocks at both pressure and suction connections.

The general dimensions are the same as No. 50, page 10. Net weight 40 lbs. Shipping weight 50 lbs.

No. 53A.....$110.00

NOTE—This is the last of the four variations of the Midget mounted on floor stand. If there is some appliance, or combination of appliances, which you prefer to any of those shown, we shall be happy to quote on it. Our aim is to supply that which will serve you best.

Tankless Adjusto Outfit No. 450



ADJUSTO OUTFIT
No 450

We have given the name "Adjusto" to this outfit because it is capable of being "adjusted," varied in equipment, to suit your individual requirements, your particular manner of working.

That is, any or all of the five blank hubs on the column may be replaced by a single or double swinging bracket, carrying some appliance, equipment, or accessories. (One such replacement is represented by the outfit on next page.)

A special booklet, in which a dozen combinations are illustrated, is yours for the asking.

The pump in the outfit here shown is very similar to that in No. 460, page 9, in that it has four cylinders: two each for pressure and for suction, without air-intercommunication between them, four air purifiers, the new pressure control, and is also driven by a ⅛ horsepower inclosed-type universal motor.

An important difference is that pressure and suction are indicated on gauges. And both may, of course, be regulated from nothing up to the full capacity of the machine.

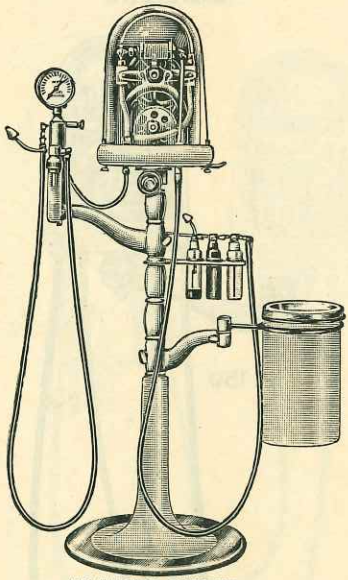
The heavy glass dome fits inside a ridge around the solid aluminum base, polished finish.

Its equipment is as in the illustration: pressure tube with cut-off, suction tube with suction cup, and stop-cocks controlling both tubes.

Dimensions are: Height overall 44″, floor base 15″ diameter, glass dome 10½″ diameter and 13½″ high. Net weight 50 lbs. Shipping weight 78 lbs.

No. 450.....$175.00

Tankless Adjusto Outfit No. 477



ADJUSTO OUTFIT
№ 477

As already pointed out on opposite page, this is a beginning, so to speak, of the almost infinite variety of outfits that can be made out of the Adjusto.

This can be done gradually. You can start with little, and increase the equipment as your needs develop. And you can do it all yourself, since the parts are perfectly interchangeable and no tools are required. Again: Let us send you the special booklet on the Adjusto.

No. 477 consist of the pump of the Midget outfit, page 6, sinus cleanser complete with gauge, three-bottle spray set, and waste receptacle.

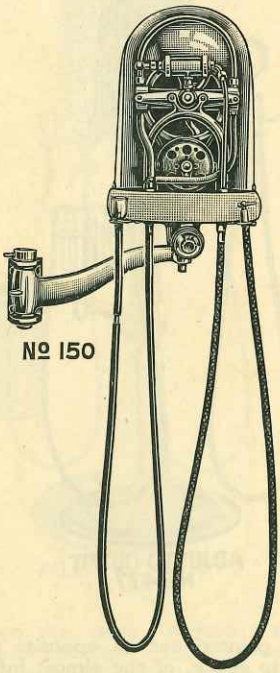
You see that only two of the five hubs on the column have been replaced by brackets, so that there is plenty of opportunity to add anything you may need, be it ether and suction bottle set, instrument cabinet, sterilizer, revolving bottle set combination, or what not.

Equipment includes pressure tube with cut-off, suction tube with suction cup and suction release, etc., all as in the illustration.

Dimensions are: Height overall 44″, floor base 15″ diameter, glass dome 7½″ diameter and 11″ high. Net weight 46 lbs. Shipping weight 75 lbs.

No. 477.....$131.50

Wall Type Tankless Pressure and Suction Outfit No. 150



This is the simplest of wall-type outfits, combinations with other equipment being shown on the three pages following.

Many doctors who have more elaborate Sorensen apparatus in their offices have installed a form of the wall-type outfit in their private homes, for use when compelled to treat patients there.

The pump is the Midget, described on page 6, but under a glass dome, the same as in the floor-type outfits on pages 10 to 13.

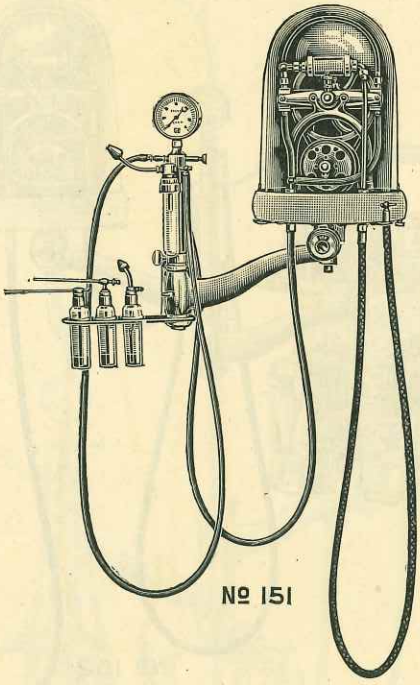
It is supported on a bracket which turns on ball bearings, so that it can be swung out of the way, close to the wall, when not in use.

The bracket and the bracket holder which fastens to the wall are our standard nickel-aluminum die-castings, have no finish to wear off, do not lose their color or luster, are easily kept clean, and never wear out.

Equipment includes pressure tube with cut-off, and suction tube with suction release and suction cup. Dimensions are: Pump base 8½" diameter, glass dome 7½" diameter and 11" high. Net weight 16 lbs. Shipping weight 30 lbs.

No. 150.....$76.00

Wall Type Tankless Pressure and Suction Combination Outfit No. 151



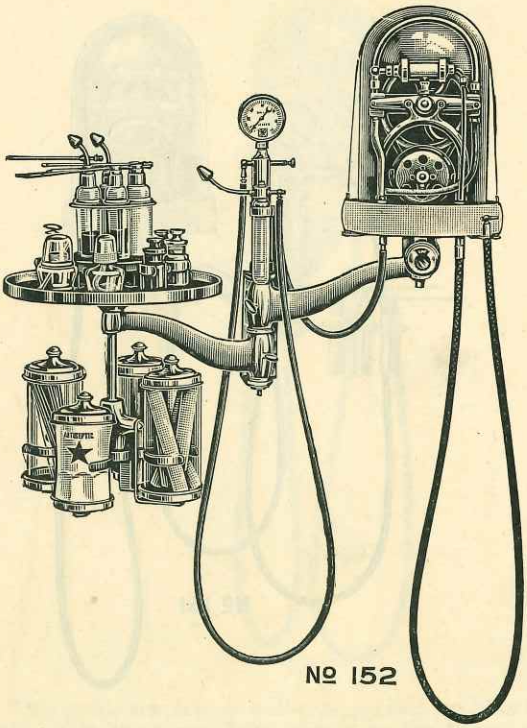
This is a step toward the greater completeness illustrated by the outfits shown on the two next pages.

You will recognize it as the outfit on opposite page, with the addition of a sinus cleanser and its vacuum gauge, and also a three-bottle spray set.

Net weight is 20 lbs. Shipping weight 35 lbs.

No. 151 ..... $98.50

Wall Type Tankless Pressure and Suction and Bottle Set Outfit No. 152



A very great increase in utility has been brought about here by the use of a double bracket holder, fastened to the wall, and carrying two swinging brackets, so that the outfit comprises:

Pressure and Suction Pump,

Sinus Cleanser, with vacuum gauge,

Revolving Bottle Set Combination, which includes

Six Bottle Spray Set,

Bottle Holder with eight assorted bottles,

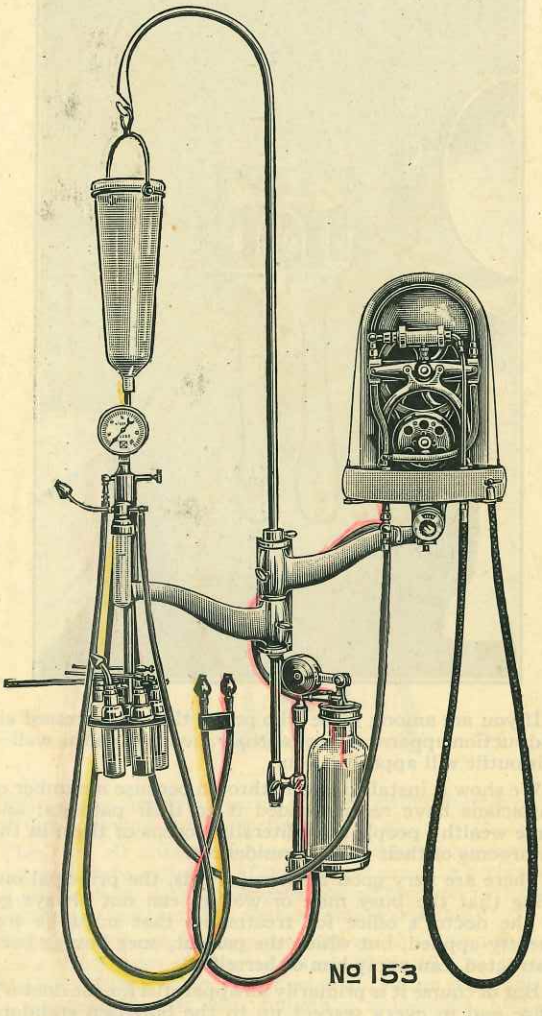
Aluminum Revolving Tray, and

Holder for Glass Jars to contain tongue depressors, cotton applicators, gauze or lint, antiseptic solution, etc.

Equipment is of course the same as No. 150, page 16, with the additions shown and described. Net weight 28 lbs. Shipping weight 45 lbs.

No. 152.....$147.00

Wall Type Tankless Pressure, Suction and Irrigating Outfit No. 153



As a last suggestion, here is a combination of pump, sinus cleanser with gauge, six-bottle revolving spray set, irrigator, and suction bottle in Snap-fit bottle holder.

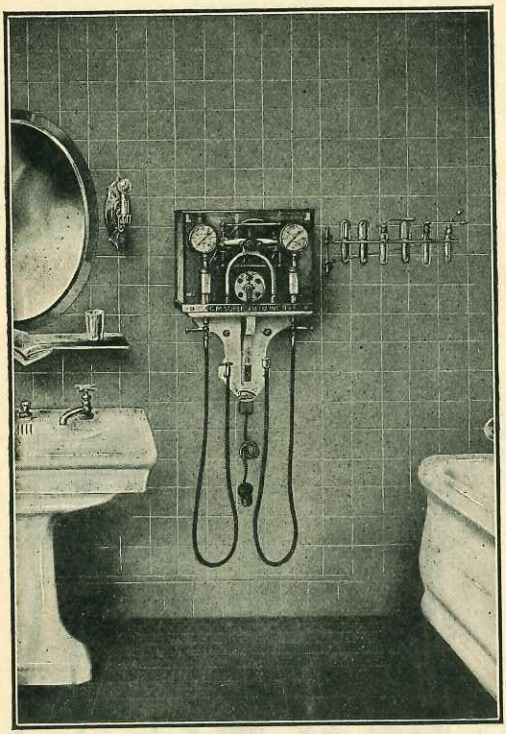
It will interest you that suction and irrigation (both controlled) may be used individually or combined. By a simple turn of the stopcock under the pump base a vacuum is created in the bottle. Or it may be used in connection with the sinus cleanser.

Equipment as shown. Net weight 28 lbs. Shipping weight 45 lbs.

No. 153.....$133.00

(REMEMBER, these outfits are only suggestions. We can make up any combination you may desire.)

Wall Type Tankless Air Compressor No. 350



If you are among those who prefer their compressed air and suction apparatus permanently mounted on the wall—this outfit will appeal to you.

We show it installed in a bathroom because a number of physicians have recommended it to their patients; and some wealthy people have literally dozens of them in the bathrooms of their various residences.

There are very good reasons for this, the principal one being that the busy man or woman can not always go to the doctor's office for treatments that must be frequently applied, but which the patient, once having been instructed, can apply him or herself.

But of course it is primarily an apparatus for the doctor's office and in every respect up to the Sorensen standard in quality of construction and beauty of finish.

The pump proper is the Midget, page 6, but with two air purifiers, and with pressure and suction gauges. It is mounted, under a plate-glass cover, on a special white-enameled wood bracket.

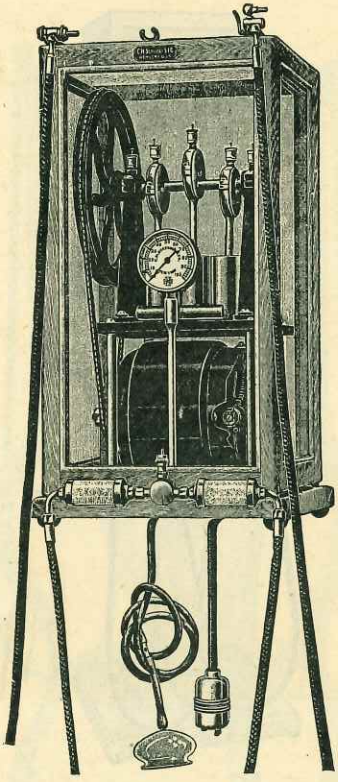
Equipment includes pressure tube with cut-off and suction tube with release and suction cup. Net weight 30 lbs. Shipping weight 50 lbs.

No. 350 ..... $125.00

No. 351 Wall Bracket with three Brushholders and three Sprays 10.00

No. 352 (Six-bottle Spray set) 10.00

Tankless Pressure and Suction Outfit No. 20



This is the first of a series of five outfits extensively used by nose and throat specialists.

They are all alike as far as concerns the compressor, which has three cylinders. Two of these produce pressure, and one suction, without air-intercommunication between pressure and suction. No contamination possible.

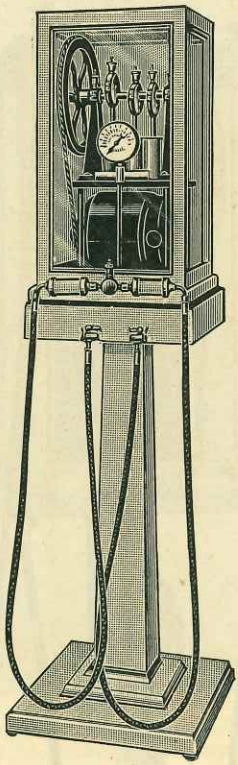
It produces instantly any pressure up to 50 lbs.; maintains a continuous pressure of from 20 to 40 lbs. while using a DeVilbiss spray. This powerful pump is so liberally designed that it runs smoothly, noiselessly, and is as long-lived as any. There are two air purifiers. Pressure is indicated on a gauge.

The compressor is mounted on a wood base, on which fits the glass-panel cover, as illustrated.

Equipment includes two pressure tubes with cut-offs and one suction tube with suction release and suction cup. Dimensions 12 x 12 x 21" high. Net weight 60 lbs. Shipping weight 105 lbs.

110-volt Direct Current		110-v. 60-cycle Alt'g Curr.	
20A Oak	$130.00	20B Oak	$130.00
20C Mahogany	130.00	20D Mahogany	130.00
20E White Enamel	135.00	20F White Enamel	135.00

Tankless Pressure and Suction Outfit No. 120



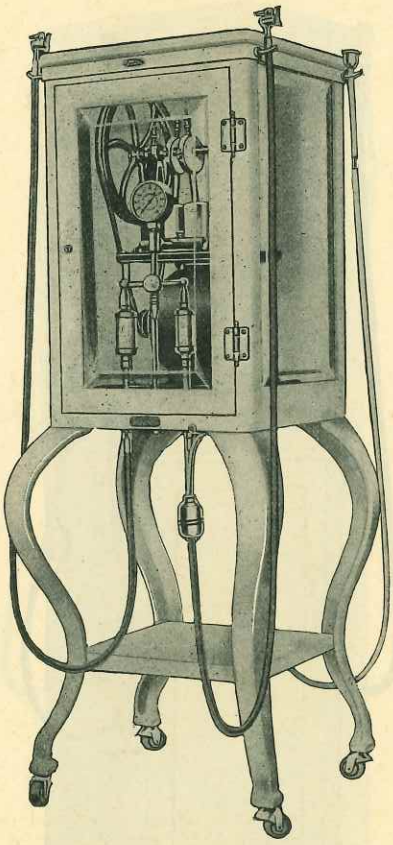
This is No. 20, but mounted on a pedestal; and since that outfit is fully described on preceding page, there is no need of repeating that here.

The pedestal will be in the same wood or finish as the cabinet, whether selected quartered oak, solid mahogany, or white-enamel finish.

Dimensions are: Height overall 53", pedestal 32" high, with 14" square base. Net weight 85 lbs. Shipping weight 125 lbs.

110-volt Direct Current		110-v. 60-cycle Alt'g Curr.	
120A Oak	$145.00	120B Oak	$145.00
120C Mahogany	145.00	120D Mahogany	145.00
120E White Enamel	155.00	120F White Enamel	155.00

Tankless Pressure and Suction Outfit No. 220



Again the No. 20, page 21, so far as mechanism, functions, equipment, etc. is concerned.

But the entire cabinet is of steel, finished in baked white enamel, with lock and hinges finished in polished nickel.

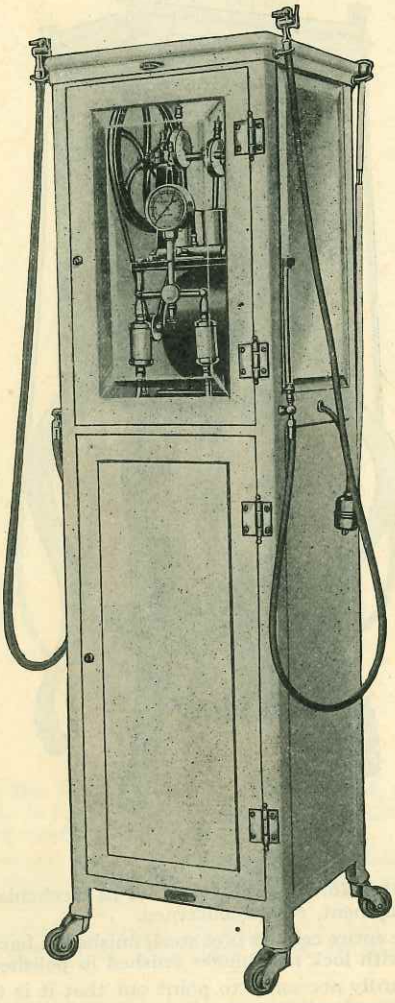
It is hardly necessary to point out that it is the acme of beauty and solidity: the finest piece of equipment to be found.

Dimensions are: Height overall 47″, width 18″, depth 16″. Net weight 135 lbs. Shipping weight 200 lbs.

No. 220A 110-volt Direct Current.....$180.00

No. 220B 110-volt 60-cycle Alternating Current.... 180.00

Tankless Pressure and Suction Outfit No. 230



This is the fourth outfit in which the air compressor of No. 20, page 21, is used, and to which please refer for description, equipment, etc.

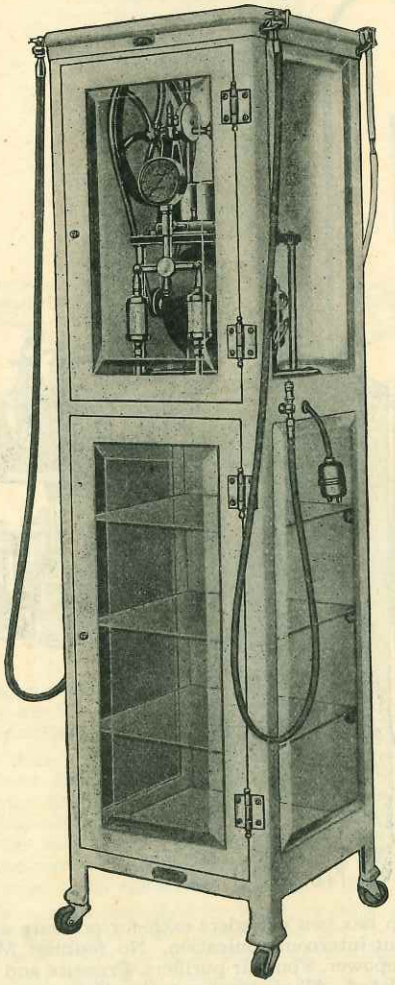
The cabinet is entirely of steel, finished in baked white enamel. Both doors have locks, and the instrument cabinet in the lower portion has glass shelves.

Height overall is 54″, width 15″, depth 14″. Net weight 160 lbs. Shipping weight 240 lbs.

No. 230A 110-volt Direct Current.....$200.00

No. 230B 110-volt 60-cycle Alternating Current... 200.00

Tankless Pressure and Suction Outfit No. 240



The fifth and last of the series utilizing the compressor of No. 20 which, with its equipment, is described on page 21.

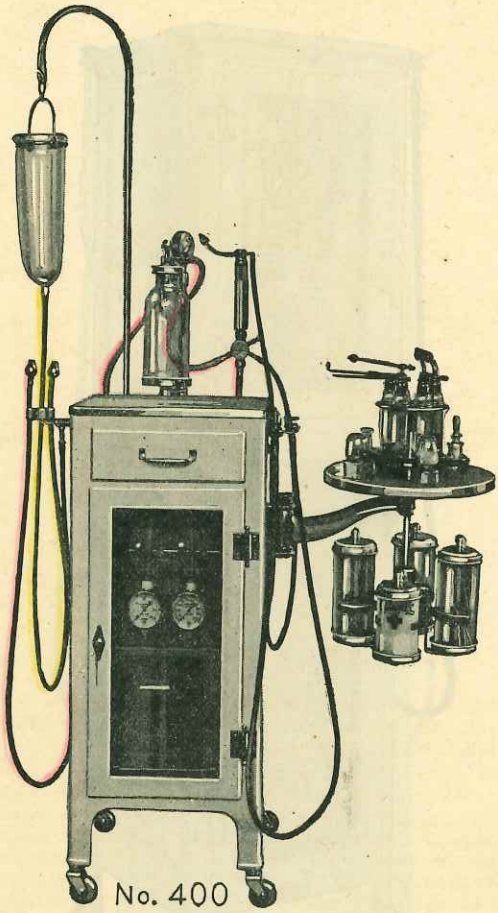
It is exactly like No. 230, on opposite page, in dimensions and weights, and differs only, as you see, in having beveled plate-glass sides and door also in the instrument cabinet.

No. 240A 110-volt Direct Current.....$220.00

No. 240B 110-volt 60-cycle Alternating Current.. 220.00

(We have refrained from fanciful praise of Nos. 220, 230 and 240, convinced that the illustrations and a simple description would bring to you a complete realization of their beauty and excellence.)

Tankless Specialist's Outfit No. 400



Its pump has two cylinders each for pressure and suction. No air-intercommunication. No fouling. Motor is of 1/6 horsepower. Four air purifiers. Pressure and suction easily regulated. All air intakes and outlets are outside of cabinet.

When using irrigator, a simple movement of the control valve changes the suction from the sinus evacuator over to the wash bottle, without change in tube connections. Suction bottle is 32-oz., held in Snap-fit holder.

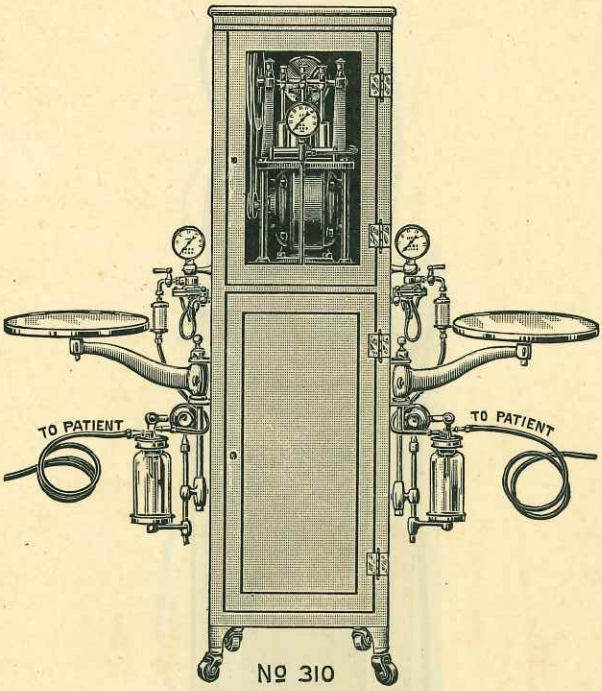
Cabinet is of steel, finished in baked white enamel, with polished nickel trimmings, monel-metal top, beveled plate glass in door, contains politzerization chamber, drawer for accessories, and measures 14 x 14 x 35".

Equipment as shown, including revolving bottle set combination described in detail on page 18. Net weight 125 lbs. Shipping weight 185 lbs.

No. 400A 100-volt Direct Current.....$340.00

No. 400B 110-volt 60-cycle Alternating Current.. 340.00

Automatic Vacuum Pump Outfit Nos. 300 to 310



Nº 310

Recommended for use in the private sickroom or small hospital having no vacuum installation, for treating one or two patients, separately or simultaneously.

Its three-cylinder vacuum pump is driven by a 1/6 horsepower direct or alternating current motor; and an automatic switch controls the vacuum. At whatever point that switch is set, it automatically starts the motor when the vacuum in the 8-gallon storage tank (in the lower compartment of the cabinet) drops to a minimum, and stops it when vacuum is restored to maximum.

Outfit can be furnished by itself, or with one Suction Regulator No. 905 and Combination Set No. 464 (Page 36), or with two of each of these, as in illustration.

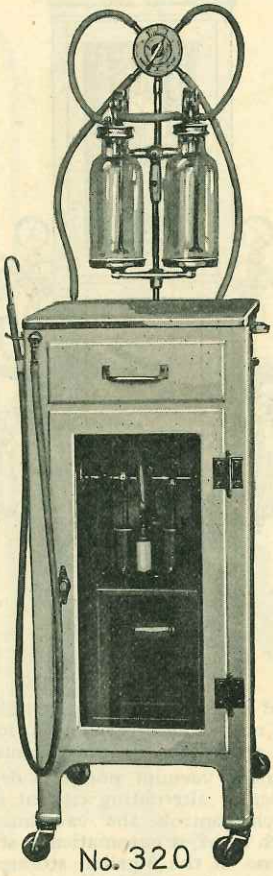
The steel cabinet is finished in baked white enamel, polished nickel trimmings, beveled plate glass, locks on doors. Equipment according to price, as below. Dimensions 14 x 15 x 54". Net weight 170 lbs. Shipping weight 250 lbs. Add 10 lbs. to net weight and 12 lbs. to shipping weight for each set No. 905 and 464.

The three Numbers below are for 110-volt Direct Current:

No. 300A Nothing on outside of Cabinet.....$250.00
No. 305A With one No. 905 and one No. 464..... 325.00
No. 310A As in illustration, with two 905 & 464... 400.00

The following for 110-volt 60-cycle Alternating Current
No. 300B Nothing outside of Cabinet.....$250.00
No. 305B With one No. 905 and one No. 464..... 325.00
No. 310B As in illustration, with two 905 & 464... 400.00

Large Hospital Etherizing Outfit No. 320



No. 320

For cases not requiring suction or for hospitals which already have suction. Hence its 3-cylinder pump, driven by 1/6 horsepower motor, produces pressure only.

Has two 32-oz. bottles, in Snap-fit holders. Ether vapor may be obtained from one or both, or one bottle may be used as air-mixer. Also, hot water may be used in one bottle, for warming the air on its way to the ether bottle or the ether vapor leaving that bottle.

The valve above the bottles enables the anesthetist to provide the patient with any proportion of air to ether vapor. Very important in cases requiring insufflation; and we can refer to several well known institutions where this feature is successfully used.

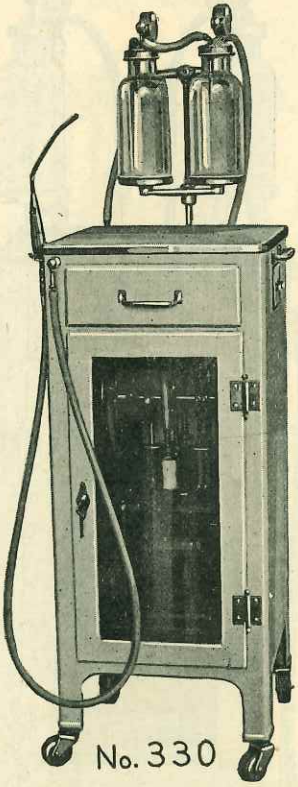
Equipment as shown. Cabinet is same as on opposite page. Net weight 115 lbs. Shipping weight 165 lbs.

No. 320A 110-volt Direct Current.....$275.00

No. 320B 110-volt 60-cycle Alternating Current... 275.00

(Either of the above, without Air Insufflator, $50 less.)

Large Hospital Aspirating Outfit No. 330



This apparatus has a three-cylinder pump, driven by a 1/6-horsepower motor, designed to produce suction only.

It is regularly furnished as shown, with two 32-oz. bottles, held in Snap-fit holders; but it can also be supplied with only one bottle.

The advantage in having two bottles is that they can be connected as in the illustration. Then when one is full it will overflow into the other, giving double capacity. And of course they can also be connected up so as to use either separately.

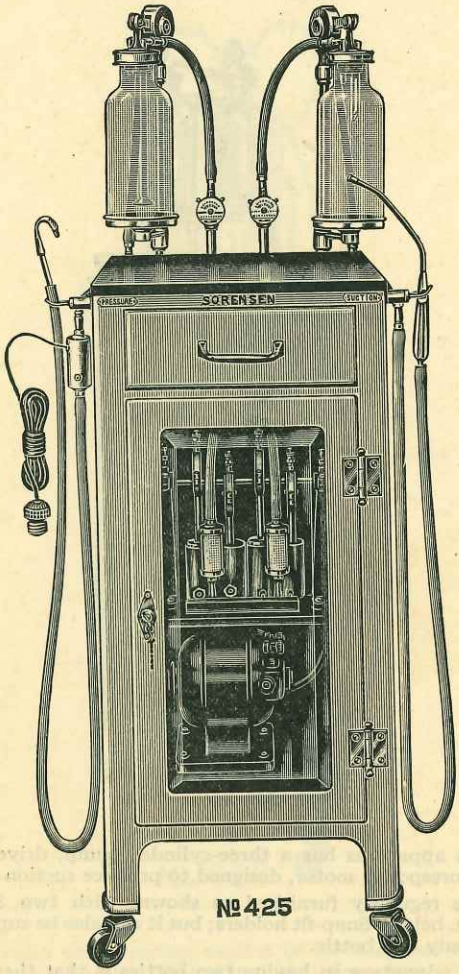
Cabinet is of steel, finished in baked white enamel, with polished nickel trimmings, monel-metal top, beveled plate glass in door, and drawer for accessories. It measures 14 x 14 x 35."

Equipment as in the illustration. Net weight 115 lbs. Shipping weight 165 lbs.

No. 330A 110-volt Direct Current $225.00

No. 330B 110-volt 60-cycle Alternating Current... 225.00

Anesthetizing, Pressure and Suction Outfit No. 425



Complete for all hospital operation work and for all treatments requiring pressure or suction.

Its outstanding feature is an electric heater which raises the temperature of the ether, *after vaporization*, about thirty degrees, rendering it mild, non-irritant.

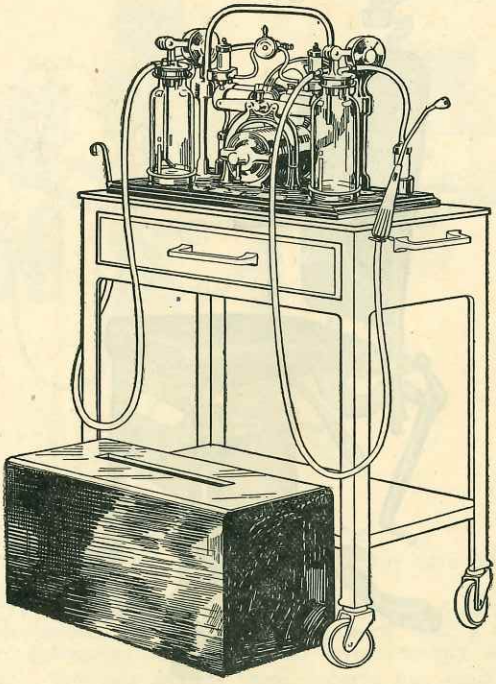
The pump, driven by 1/6 horsepower motor, has two cylinders each for pressure and suction. No air-intercommunication; no fouling. Pressure and suction easily regulated. Air intakes and outlets outside cabinet. Air passages inside, so but little rubber tubing used. Pressure and suction connections at front; no pull on the bottle tubes. Bottles are 32-oz., held in Snap-fit holders.

Cabinet is exactly like the one on preceding page. Net weight 115 lbs. Shipping weight 165 lbs.

No. 425A 110-volt Direct Current.....$290.00

No. 425B 110-volt 60-cycle Alternating Current... 290.00

Tankless Pressure, Suction and Anesthetizing Outfit No. 495



This is Portable Outfit No. 460, described on page 9, on a special table, thus making it complete for office use, while it is also an outfit which, being mounted on casters (*), may be quickly taken wherever needed in the hospital.

With the exception of the monel-metal top, the table is made of steel, finished in baked white enamel. It has a spacious drawer for accessories.

Table is 13 x 19 x 30″ high. The No. 460, in mahogany cover, measures 9½ x 12 x 16″. Net weight 80 lbs. Shipping weight 125 lbs.

No. 495 ..... $185.00

(*) You have noticed before this that many Sorensen outfits are mounted on casters. We have not referred to this, because so plainly visible; but we direct your attention to page 5, where the quality of the casters used is described: a quality which makes it easy to move about any apparatus so equipped.

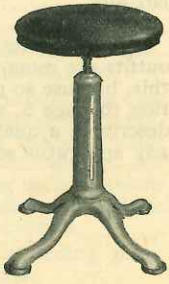
Specialist's Chairs

For many years, we have been building chairs for the nose and throat specialist, and the present models are the outcome of long experience in practical use.

In short, they represent in the highest degree these two essentials: Comfort for the patient and convenience for the operator.

They are liberal in design, staunch in construction, built to endure. They have every needed adjustment, and all adjustments are easily made.

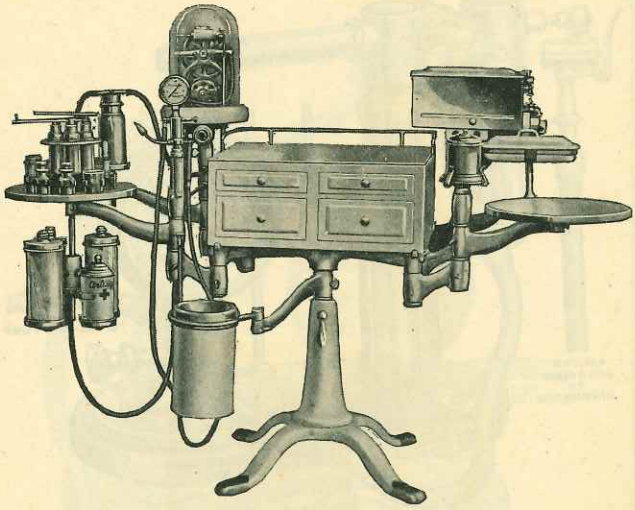
In finish, also, they satisfy the most exacting. Not alone because they have a fine and durable finish, but as well because there is much choice in color of finish and color and kind of upholstery.



If you will let us mail you the special folder on Sorensen Chairs and Stools, we believe you will find it interesting.

And when eventually you have permitted us to supply you, we count on it that there will be one more physician who has complete chair satisfaction.

Advanced Professional Outfit No. 715



To the Nose, Throat and Ear Specialist:

This outfit brings you whatever you may have dreamed of as the utmost in efficiency, because:

(1) It can hold for you every appliance and all accessories needed in your professional work, with a single cord connecting all the electrical devices to any socket.

(2) You can arrange these features just exactly as you like, according to your individual manner of working; and after that, each feature still moves about at your bidding.

(3) You are not confined to the equipment shown in the illustration, but have unlimited choice as to what you will mount on the base in addition to or in place of the features shown.

Also, you can order what you need now, and add more later, never paying more because of ordering piecemeal.

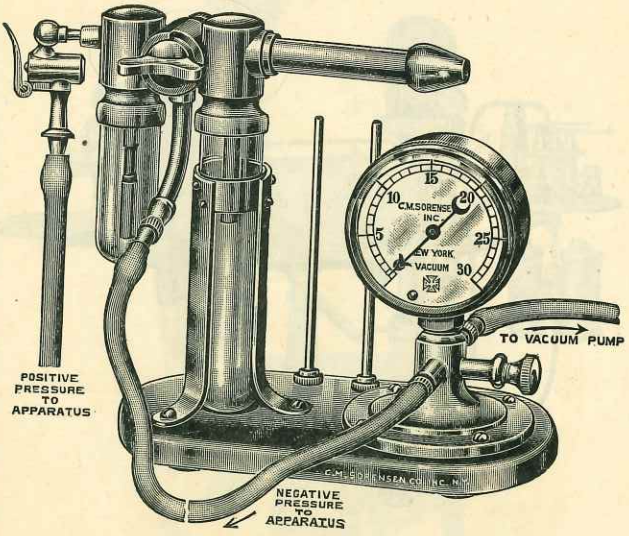
(4) It is a most beautiful piece of equipment. And besides, it suits the large office and the small one equally well. In either case, its extreme flexibility of arrangement will give you everything you desire in the way of convenience for efficient working.

In the illustration it carries the Sorensen Midget Air Compressor described on page 6, but under glass dome, as in No. 50, page 10, 13½" Electric Sterilizer, Waste Receptacle, Sinus Set with Vacuum Gauge, Revolving Tray with Glass Top, Revolving Bottle Set Combination (described on page 18), Covered Instrument Tray, Cotton Reservoir with Holder, and 16-oz. Suction Bottle and Holder.

No. 715, equipped as illustrated and described $395.00

NOTE—The equipment shown is only a suggestion. Ask for special folder on the No. 715, which contains illustrations and prices of all parts, and from which you can select what you desire—adding more later.

Dr. Coffin Sinus Apparatus No. 900



A pressure-and-suction combination for cleaning and treating the accessory cavities of the nose.

Suction is applied to the nose, by means of this apparatus, to dislodge the retained exudates. And through hyperemic action the stagnant lymph in the membrane is replaced by fresh lymph of high bactercidal index.

The nasal chamber may be closed by instructing the patient to say "kah-kah-kah" and by closing the opposite nostril.

It is a treatment the value of which is self-evident.

No pus or nasal secretion passes through the rubber tubing. All parts with which pus or secretions come in contact can be readily sterilized.

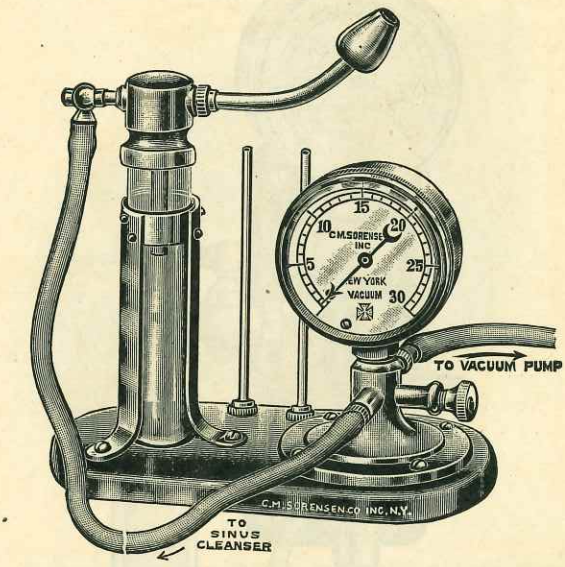
By means of a current of medicated air, introduced by pressure, and alternating this with suction, there is offered, in a practical manner, to the partially vacuumized nose and accessory cavities a medicated vapor which by the laws of Nature must find its way into those cavities.

No. 900 Apparatus without stand and gauge.....$15.00

No. 900B Apparatus complete as illustrated..... 25.00

NOTE—Upon request, we will mail you a reprint of an article from The Laryngoscope on the Non-Operative Treatment of the Accesssory Sinuses, by Dr. Lewis A. Coffin, New York.

Vacuum Sinus Cleanser for Intra-Nasal Affections No. 910



Treatment by means of this apparatus consists of the application of suction only, exactly as described in the first five paragraphs on opposite page; and in properly selected cases it offers the following possibilities:

1. Relief from painful symptoms.
2. Recovery without operation.
3. No loss of tissue.
4. No disturbance of anatomic relations.
5. Greatest possible conservation of functions.

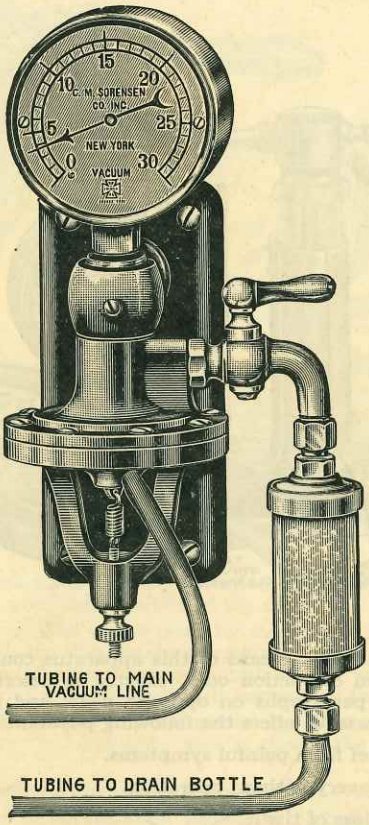
With proper care, this Sinus Cleanser might be used without controlling the vacuum. We do, however, recommend that, where the suction is too strong, a Sorensen Vacuum Gauge be used in connection with it, so as to afford full and observable control over the suction applied.

No. 910 Sinus Apparatus only..... $3.00

No. 910B Apparatus complete as illustrated..... 13.00

If not fully acquainted with the action of this apparatus, we suggest that you ask for special folder on it.

Automatic Suction Regulator No. 905



This ingenious and dependable device (patent applied for), connected to the vacuum system, provides just the suction desired for any particular purpose, from the slightest drawing-in up to the full strength of the vacuum in the system.

Once set, it requires no further attention. It is therefore invaluable for draining wounds, for keeping the bladder drained after certain operations, for operating work where the full vacuum of the line is not desired, and for many other uses.

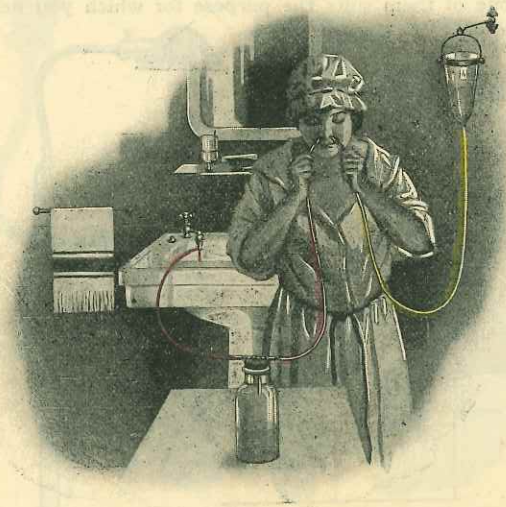
The best way to use the suction regulator is in connection with our Combination No. 464, consisting of tray and 16-oz., suction bottle in Snap-fit holder. That arrangement is shown on page 27, where the regulator is attached to our automatic vacuum pump outfit.

The details of operation, a better illustration of the tray-and-bottle combination, and a ward scene showing their use there—all these are contained in a special folder, which we shall be glad to mail you.

No. 905 Automatic Suction Regulator.....$40.00

No. 464 Tray and Bottle Combination..... 35.00

Water Suction Nasal Douche Nos. 923, 925 and 926



NO. 925

A simple apparatus for the application of suction and irrigation according to the method of Dr. J. E. MacKenty.

It is useful for the treatment of nasal sinusitis, by the physician or, according to his instructions, by the patient him or herself, at home.

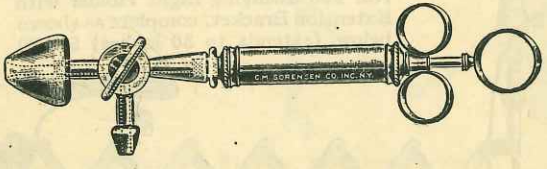
No. 923 Water Suction Pump, Tubing, Wash Bottle with two hard rubber Nasal Tips only . . . $5.50

No. 926 Glass Irrigator with Wall Bracket, Hanger and Tubing only 4.50

No. 925 Complete Outfit consisting of everything contained in both the above 10.00

Folder containing complete description of the above mailed on request.

Suction Sinus Syringe No. 920



No. 920 Complete as shown $7.50

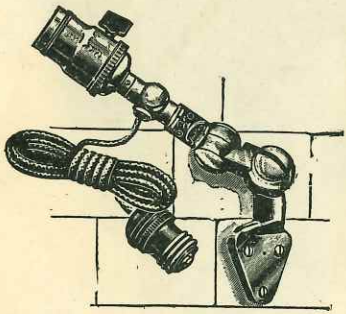
If interested, ask for reprint of paper on Influenzal Sinusitis, by Harmon Smith, M.D., F.A.C.S., New York.

Adjustable Lamps

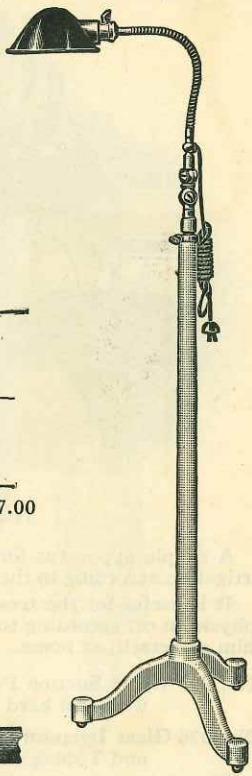
Sorensen adjustable lamps for specialists are made up of standard interchangeable units, from which any fixture, for any purpose, can be put together.

On these two pages we show a few of the combinations. If none of them suits the purpose for which you need light, ask for special folder, in which all the units are separately illustrated.

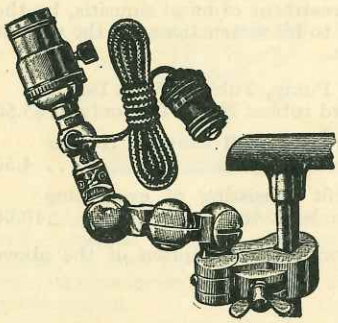
You will find that you can get a Sorensen fixture that will satisfy.



No. 958, complete as above. . $7.00

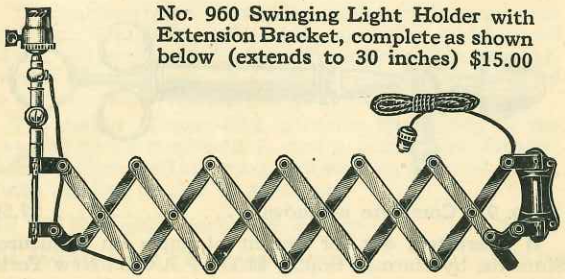


No. 970, complete as above. . . $20.00

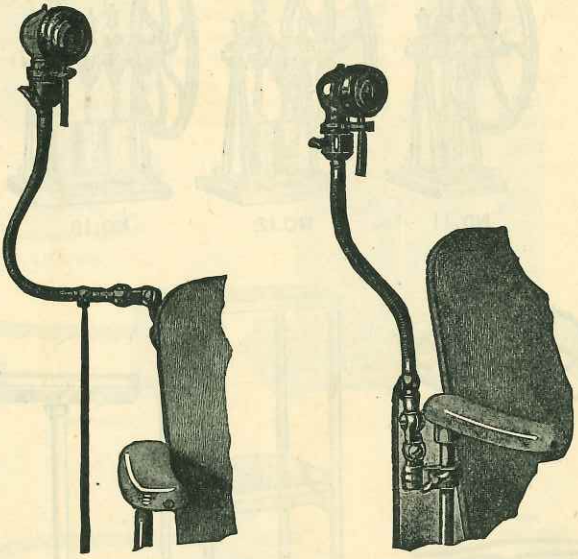


No. 959, complete as above $10.00

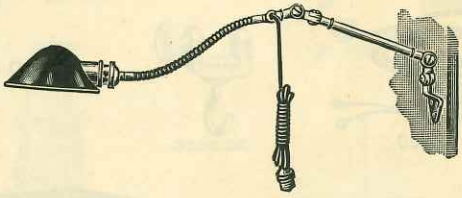
No. 960 Swinging Light Holder with Extension Bracket, complete as shown below (extends to 30 inches) $15.00



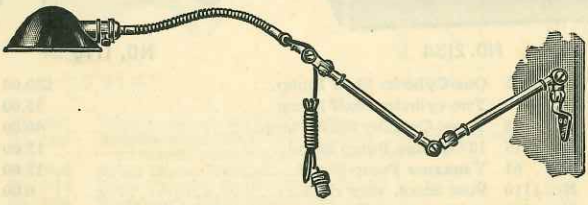
No. 963 is fastened to the chair-back, with screws. No. 964 has universal clamp. Once in place, these fixtures are quickly adjusted, without tools or trouble, to project a beam of light just where needed.



No. 963 Wall Bracket Fixture, complete as shown with Bull's Eye Lamp and Condenser..$12.75
No. 963-P Plain, less condenser and lamp..... 8.00
No. 964 Universal Clamp Bracket Fixture, complete as shown with Bull's Eye Lamp and Condenser..... 14.75
No. 964-P Plain, less condenser and lamp..... 10.00
No. 963 and 964 total length 24 in. Net wt. 3½ lbs. Shipping wt. 6 lbs.

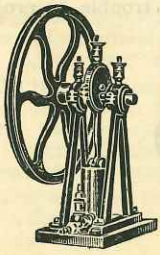


No. 965 Wall Bracket Fixture, complete as shown, with Parabolic Reflector.....$14.00
No. 966 Same as 965, but with Universal Clamp instead of Wall Attachment..... 16.00
No. 965 and 966 total length 32 in. Net wt. 4¼ lbs. Shipping wt. 7 lbs.

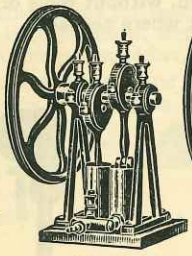


No. 967 Wall Bracket Fixture, complete as shown with Parabolic Reflector.....$19.00
No. 968 Same as 967, but with Universal Clamp instead of Wall attachment..... 21.00
No. 967 and 968 total length 44 in. Net wt. 5 lbs. Shipping wt. 8 lbs.

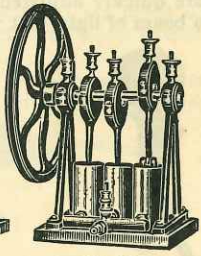
Plain Shelf Pumps and Accessories



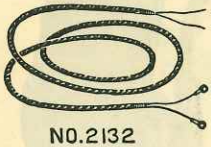
NO. 11



NO. 12



NO. 13



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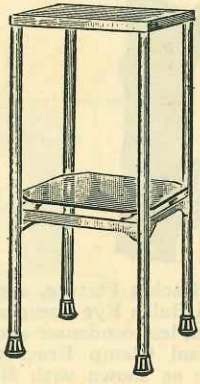

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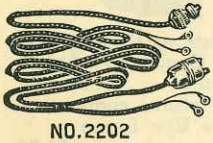

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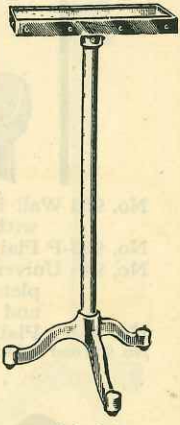

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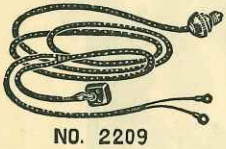
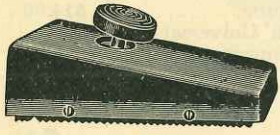


NO. 2209

NO. 2026



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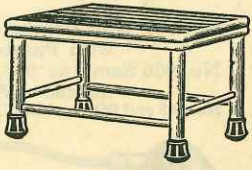
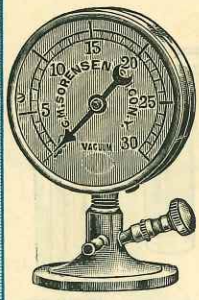


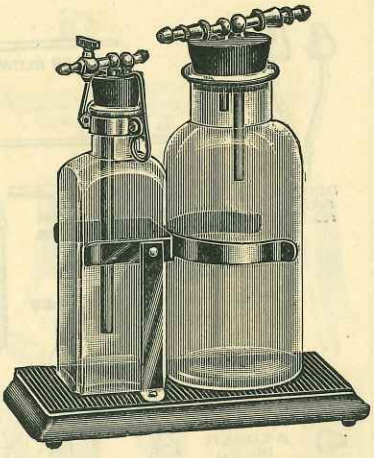
NO. 1110

No. 11	One-Cylinder Shelf Pump	$30.00
No. 12	Two-cylinder Shelf Pump	35.00
No. 13	Three-Cylinder Shelf Pump	40.00
No. 14	12" Square Pump Stand	12.00
No. 61	Yankauer Pump Stand	12.00
No. 1110	Foot Stool, very rigid	6.00
No. 2026	Cabinet Cord Holder	.50
No. 2132	Plain Footswitch Cord	1.50
No. 2134	On and Off Foot Snap Switch, less cord	4.00
No. 2202	Footswitch Cord for large pump	3.50
No. 2209	Footswitch Cord for small pump	3.00

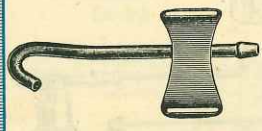
Pressure and Suction Accessories



NO. 902



NO. 909



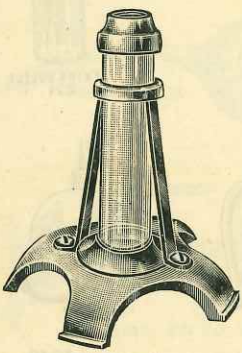
NO. 928

NO. 929

NO. 935

NO. 930

NO. 913



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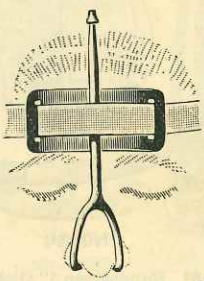


NO. 933

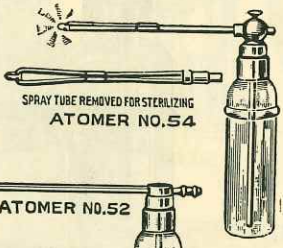
NO. 933A

No. 902	Vacuum Gauge with Regulator	$8.00
No. 909	Anesthetizing Ether and Suction Bottles, mounted on board, including 10 feet soft rubber tubing	8.00
No. 913	Ether Bottle Warmer	4.00
No. 914	Sinus Cleanser Bottle Holder Stand	2.00
No. 928	Branower's Ether Nose Tube	2.00
No. 929	Branower's Ether Mouth Hook	2.00
No. 930	Yankauer Tonsil Suction Tube	1.50
No. 933	Connell Anesthesia Tube, complete with Head Band and Catheters	4.50
No. 933A	Set of extra Catheters for above	.75
No. 935	Sorensen Ether Mouth Hook, with slip fitting	1.50

Atomers and Accessories

DOUBLE NASAL NO. 526

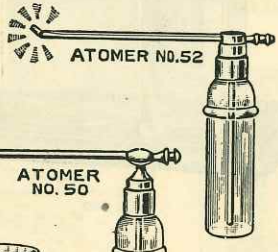
POWDER BLOWER NO. 73



SPRAY TUBE REMOVED FOR STERILIZING

ATOMER NO. 54

NEBULIZER NO. 80



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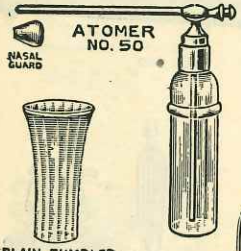
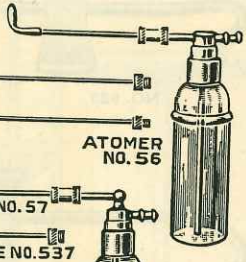


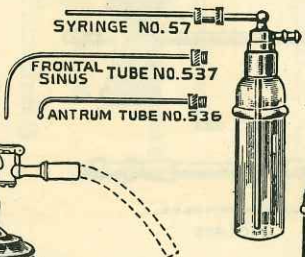
NASAL GUARD

ATOMER NO. 50



ATOMER NO. 56

PLAIN TUMBLER FOR MOUTH WASH 25c

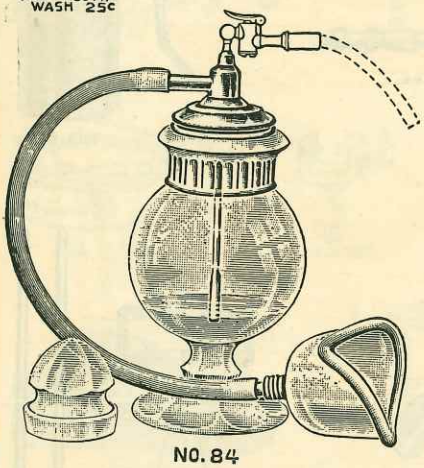


SYRINGE NO. 57

FRONTAL SINUS TUBE NO. 537

ANTRUM TUBE NO. 536

EXTRA BOTTLE 25c

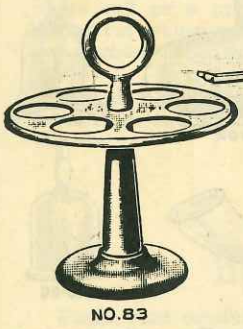


NO. 84

NO. 87

No.	84	Birmingham 5" Globe Nebulizer	$6.50
No.	87	Glass Face Mask, with hose connection	2.00
No.	50	Atomer (aqueous and oily solutions)	1.50
No.	52	Atomer (aqueous and oily solutions)	1.50
No.	54	Atomer (aqueous and oily solutions)	2.25
No.	56	Atomer (aqueous and oily solutions), with three spray tips	2.50
No.	57	Middle Ear Syringe	1.50
No.	536	Tip (Antrum)	1.25
No.	537	Tip (Frontal Sinus)	1.25
No.	73	Powder Blower	1.50
No.	80	Oily Vapor Nebulizer	1.50
No.	526	Double Metal Nasal Tip	.35
		Plain Mouth Wash Tumbler	.25
		Extra Spray Bottles with stopper	.25

Atomers and Accessories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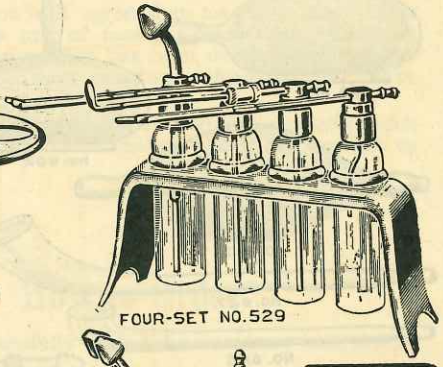
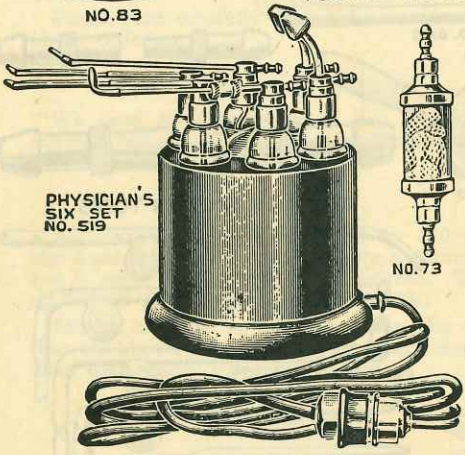
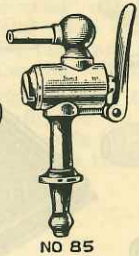

FOUR-SET NO.529


PHYSICIAN'S SIX SET NO. 519

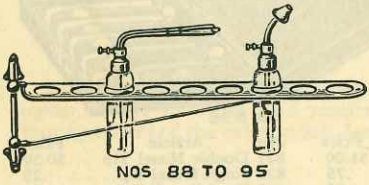
NO.73

NO. 70

NO. 0 OBLO


NO 85

NO. 6279

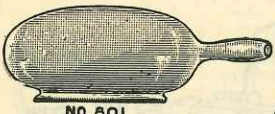

NOS 88 TO 95

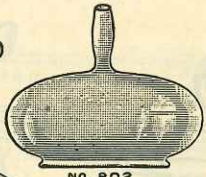
NO.2068

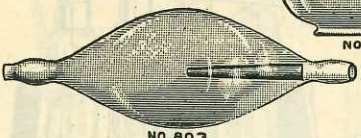
NO. 2037

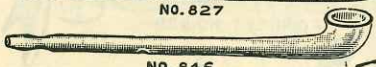
No.	70	Wall Plate Air Pressure Regulator	$20.00
No.	73	Air Purifier, complete with couplings	1.50
No.	83	Revolving Six hole Spray Stand	2.00
No.	85	Air Pressure Cut-off	1.75
No.	88	Three-hole Spray Bracket	2.00
No.	90	(Left) or No. 91 (Right) Six-hole Spray Bracket	3.00
No.	92	(Left) or No. 93 (Right) Nine-hole Spray Bracket	4.50
No.	94	(Left) or No. 95 (Right) Twelve-hole Spray Bracket	6.00
No.	519	Physician's Heater Six-Set	17.00
No.	529	Four hole Spray Set, complete	8.50
No.	2037	Cabinet Cut-off Hook	.35
No.	2068	Plain Cut-off Hook	.10
No.	6279	Silk Covered Spray Tubing, per ft.	.25
No.	0	Oblo Spray Bulb	.50

Suction and Massage Cups

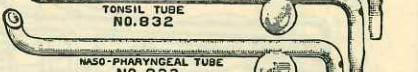


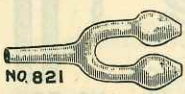


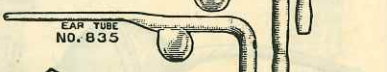


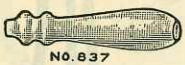


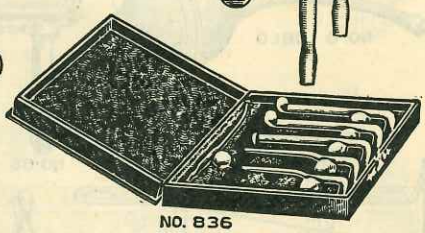
DR. HAYS' SUCTION TUBES











No.	Article	Price	No.	Article	Price
801	Ear Cup	$1.00	821	Double Nasal Tip	$0.50
802	Ear Cup	.75	822	Single Nasal Tip	.25
803	Pus Collector	.75	827	Hurd Tonsil Tube	1.00
807	Small Eye Cup	.50	830	Eustachian Tube	.50
808	Medium Eye Cup	.60	831	Pharyngeal Tube	.50
809	Large Eye Cup	.70	832	Hays Tonsil Tube	.50
810	¼" Massage Cup	.10	833	Naso-Phar'l Tube	.50
811	⅜" Massage Cup	.15	834	Nasal Tube	.50
812	½" Massage Cup	.15	835	Ear Tube	.50
813	⅝" Massage Cup	.20	836	6 Tubes in a Case	5.50
814	¾" Massage Cup	.20	837	Ear Tube	.25
815	⅞" Massage Cup	.25	843	Hunt Suc. Flask	.75
816	1" Massage Cup	.25	846	McQuade T'ns'l Tube	1.00
817	1¼" Massage Cup	.30	848	Hd. Rub. Nasal Tip	.50
818	1½" Massage Cup	.35	912	5/16" Tube Fitting	.25
819	1¾" Massage Cup	.40	918	5/16" Tube Fitting	.50
820	2" Massage Cup	.50	2020	Suction Release	.10
No. 6277	Red Soft Rubber Tubing, per foot				$0.10

Conclusion

And now—you will agree that we have made these pages full as a nut of meaty information concerning apparatus whose quality has been demonstrated to the satisfaction of the most exacting professional men in the world.

Indeed, it was appreciation by men like yourself of such services as our apparatus renders which has brought us success.

C. M. Sorensen Co., Inc.

How to Order

Please read carefully these very necessary instructions about ordering.

Catalog Numbers

We need no description of any apparatus or items ordered, but simply their Catalog Numbers.

Voltage

All motors are made standard for 110 volts. We can also furnish any motor for 220 volts, without extra charge; but it must be specifically so ordered. To make sure, ALWAYS SPECIFY THE VOLTAGE.

Motors can also be made, to order, for other voltages than the above. The extra charge, if any, can not be stated until that special voltage is known.

Current

All motors stated to be "universal" operate on either direct or alternating current; and when ordering apparatus with universal motor, you need not mention the kind of current. But DO mention the VOLTAGE.

In the prices of outfits having motors that are not universal, we have added the suffix "A" to the Catalog Number for direct current, and the suffix "B" for 60-cycle alternating current. Be sure to include that added letter in the Catalog Number when ordering.

Prices

All prices are f. o. b. New York, and goods are shipped upon receipt of order and remittance (check, draft or money order) of the price in full, less 5% discount for cash.

Manner of Shipment

Please specify whether you wish us to make shipment by freight or by express. If this is not done, we will use our own judgment.

Service Parts Lists

We publish lists containing every part of every apparatus we manufacture. The ordering of repairs or replacements is facilitated by the Part Numbers given in these lists. Please always mention Serial Number of Outfit.

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